



JESSENIUS FACULTY  
OF MEDICINE IN MARTIN  
Comenius University  
Bratislava

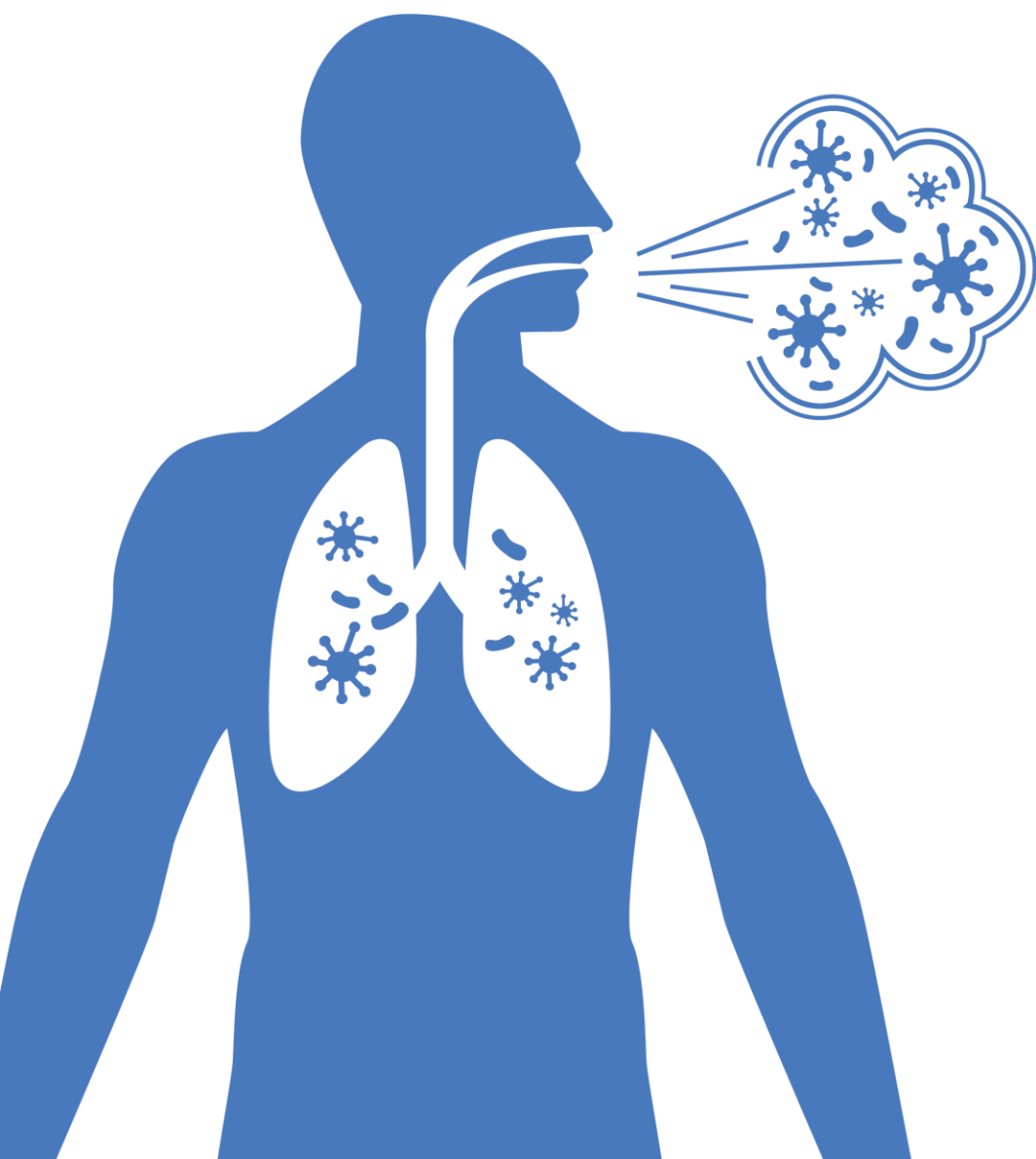
Slovak Research and Development Agency

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Medical Education Support Center

Department of Medical Biophysics

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# COUGH IT UP

**seminar on cough, other reflex behaviors,  
and central control of breathing and reflexes**

**Tuesday 24th of June 2025**

**Medical Education Support Center**

**Academic Library JFMED CU**

**Presenting guests:**



**Donald C Bolser**

**Department of Physiological Sciences  
College of Veterinary Medicine  
University of Florida, USA**



**Teresa E Pitts**

**Speech, Language and Hearing Sciences, Chair  
College of Health Sciences  
University of Missouri, USA**



**Giovanni Fontana**

**Associate Professor of Respiratory Medicine  
Department of Critical Care Medicine and Surgery  
University of Florence, Italy**



**John A Hayes**

**Department of Physiological Sciences  
College of Veterinary Medicine  
University of Florida, USA**



### PROGRAM

**10:00 Poliaček I, Plevková J, Mokrý J: opening**

10:05 Poliaček I: Donald C Bolser

**Chair: Bolser DC**

10:10 Pitts T (USA): Laryngeal behaviors impact on the autonomic nervous system – the pressure is heating up.

10:40 Lučanská M (SK): Changes of the cough reflex sensitivity following the septoplasty.

11:00 Štrbák O (SK): Magnetic resonance imaging of lungs using N-acetylcysteine-loaded magnetic nanoparticles.

11:20 *coffee break*

**Chair: Šimera M**

11:40 Fontana G (IT): The clinical features of patients with difficult to treat chronic cough.

12:00 Iceman K (USA): Orofacial behaviors and the brainstem reticular formation.

12:20 Beriková D (SK): The effect of intratracheal administration of citric acid on the sneeze reflex in rats.

12:40 *lunch*

**Chair: Pitts TE**

14:00 Šimera M (SK): Significance of pontine respiratory group in cough suppression by codeine in cats.

14:20 Bolser D (USA): Brainstem circuit motifs and network strategies regulating the respiratory network.

14:50 Hayes J (USA): Integrative modeling of brainstem-generated behaviors.

15:10 *coffee break*

**Chair: Fontana GA**

15:30 Veterník M (SK): Functional relationship between cough and expiration reflex in the cat.

15:50 Poliaček I (SK): Neuronal activity in rostral ventral respiratory column affects cough excitability.

16:10 Poliaček I (SK): Discussion: Is it interesting (and important) in cough theory and practice?

16:25 Plevková J (SK): Echoes of the cough.

16:30 *end*